



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)


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## The Eastern Iowa DX Bulletin

For November 3, 2023 to November 10, 2023

**Craig Fastenow, KØCF, Editor**

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article. The articles are ordered by the entity's *official* callsign prefix, callsigns used are in **bold**, and dates of operation are highlighted in **red**. Hot links are provided for QSL and other information wherever possible. Articles will remain in *The Bulletin* while active with a 5-week maximum.

Also included are a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

**Quick jump to:**

[Propagation](#)

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### Solar-Terrestrial Data

06 Nov 2023 0428 GMT  
 SFI:155 SN: 81  
 A-Index: 57  
 K-Index: 4  
 X-Ray: C1.3  
 304Å: 154.1 @ SEM  
 Ptn Flx: 2720  
 Elc Flx: 1360  
 Aurora: 8/n=1.99  
 Mag (Bz): -1.7  
 Solar Wind: 480.1  
 Geomag Field ACTIVE  
 Sig Noise Lvl S3-S4  
 Current Solar Image



<http://www.norbh.com>  
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Solar data courtesy of:  
[Solar Data Banners & Widgets](#)

2904

**4W, TIMOR-LESTE.** A large group of operators will be QRV as **4W8X** from Dili from **November 6th to December 5th**. Activity will be on the HF bands using CW, SSB, RTTY, FT8, and FT4. This includes being entries in the upcoming WAEDC RTTY and CQ WW DX CW Contest (November 25th-26th). For more information see: <http://timor-leste-dx.de/>. QSL via [DJ4MX](#) or [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1208)

**5H, TANZANIA.** Maurizio, IK2GZU will be active again as **5H3MB** from Tanzania from **November 8th to December 8th**, while doing volunteer work at the Ikelu Hospital and Ilembula Orphanage. In his spare time he will operate SSB, CW and digital modes on 80-10 meters. QSL via [ClubLog's OQRS](#), LoTW and eQSL, or via [IK2GZU](#).

-[425DXN # 1690 September 23, 2023] (1103-1208)

**7O, YEMEN.** Ken, LA7GIA and Shani, HA5DDX will be active as **7O8AD** and **7O8AE** respectively from **November 3rd to 16th**. This is a tent and generator operation at Dhi Hamri island (AF-028). Expect 2 or 3 100W stations on the air with focus on CW and SSB: 7O8AD - CW/FT8 (2 Tx, 1 CW & 1 FT8, SO2R)

**708AE - SSB (1 Tx)**

Bands: 160 through 10m. FT8 will be WSJT-X F/H or MHSV. Antennas are verticals and VDA close to saltwater with clear beach take-off.

Pilot: Steve, N2AJ ([stevousa@aol.com](mailto:stevousa@aol.com)). All questions during the operation go to Steve as the team has no internet access and no email. Updates will be posted at <https://www.qrz.com/db/708AE>. QSL via [MØOXO's OQRS](#) and LoTW. All QSL questions to [MØOXO](#).

-[KØCF November 1, 2023] (1101-1117)

**9M6, EAST MALAYSIA.** Saty, JE1JKL will be active again as **9M6NA** from Labuan Island (OC- 133), East Malaysia for the CQ WW DX SSB Contest (**October 28th-29th**) (SOAB 15m) and the CQ WW DX CW Contest (**November 25th-26th**) (SOAB). QSL via LoTW and [ClubLog's OQRS](#).

-[425DXN # 1694 October 21, 2023] (1027-1201)

**A2, BOTSWANA.** A group of operators are QRV as **A25R** until **November 12th**. Activity is on 160 to 6 meters using CW, SSB, and FT8 with several stations. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1117)

**A2, BOTSWANA.** The Russian DXpedition Team will be active again as **A25RU** from Botswana from **October 26th to November 12th**. Seven operators (namely R5EC, R7AL, RA1ZZ, RW9JZ, UA3QLC, OK8AU and SP6EQZ) will be QRV on 160-6 meters CW and SSB with three stations, and digital modes (mainly FT8) with six or seven stations. QSL via [ClubLog's OQRS](#). See <https://www.rudxt.com/a25ru> for more information.

-[425DXN # 1694 October 21, 2023] (1020-1117)

**BS7H, SCARBOROUGH REEF.** Gil, 4F2KWT, announces that he has received permission to visit the island Bajo de Masinloc (AS-116) (a Filipino-Spanish name for Scarborough Reef). More information to follow later.

-[DXNL # 2378 November 1, 2023] (1103-1117)

**C6, BAHAMAS.** Jay, WA1JAY will be QRV as **WA1JAY/C6A** from Paradise Island (NA-001), from **November 5th to 10th**. Activity will be holiday style on 40 to 10 meters using SSB, FT8, and FT4. This includes some activity on FM Satellites. Updates to be posted to <https://twitter.com/wa1jay>. QSL via LoTW.

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1110)

**CN, MOROCCO.** Stephan, DL1MOG, is currently active again as **CN2MOG** and will remain so **during November**, while exploring the Atlas mountains on a caravanning trip. QSL via [DL1MOG](#).

-[DXNL # 2378 November 1, 2023] (1103-1201)

**DU, PHILIPPINES.** Special event station **DU37EUDXF** is QRV **until November 30th** to celebrate 37 years of the European DX Foundation. QSL via operators' instructions.

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1201)

**DXCC TOP TWENTY.** Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of November 3, 2023:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks
6. KH3	Johnston Island	16. PYØT	Trindade & Martim Vaz Islands
7. FT/G	Glorioso Island	17. KP5	Desecheo Island
8. 3Y/P	Peter 1 Island	18. VP8S	South Sandwich Islands
9. FT5/X	Kerguelen Island	19. KH5	Palmyra & Jarvis Islands
10. YVØ	Aves Island	20. ZL9	New Zealand Subantarctic Islands

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF November 3, 2023] (1103-1117)

**E5/N, NORTH COOK ISLANDS.** Janusz, SP9FIH will be active as **E51JAN** from Manihiki (OC-014), North Cook Islands from **October 12th to November 6th**. QSL via [ClubLog's OQRS](#). See <https://e5n.dxpedititions.org/> for more information and updates.

-[425DXN # 1686 August 26, 2023] (1011-1110)

**E6, NIUE.** Michael, DF8AN is QRV as **E6AJ** until **November 10th**. Activity is on 80 to 6 meters using CW, SSB, FT8, and FT4. QSL to [DF8AN](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1110)

**EI, IRELAND.** Special event callsign **EI8ØMB** will be active from **November 1st to May 31, 2024**, to commemorate the 80th anniversary since 168 German seamen were miraculously rescued from the waters of the Bay of Biscay after a battle between British and German naval forces (December 29, 1943). Carried out by the small Irish coaster "Kerlogue" (callsign EIMB), the rescue took more than ten hours. QSL via [ClubLog's OQRS](#) or via [EI6AL](#).

-[425DXN # 1695 October 28, 2023] (1027-1201)

**F, FRANCE.** The Radio Club de Wingles (F4KLR) will be active as **TM125ED** from **November 4th to December 31st**. The special callsign commemorates the 125th anniversary since radio pioneer Eugene Ducretet gave a public demonstration of wireless communication between the Eiffel Tower and the Pantheon 4 km away (November 5, 1898). All CW and SSB QSOs will be confirmed automatically via the bureau and eQSL, FT8 QSOs will be confirmed via eQSL only; direct cards via [F4KLR](#).

-[425DXN # 1693 October 14, 2023] (1103-1208)

**F, FRANCE.** Once again, the Radio Club de Nice will be active as **TM8AB** to commemorate the anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923). Look for activity on 80-10 meters SSB, CW, FT8 and SSTV during the **weekends between October 28th and December 10th**. QSL via [F4KJQ](#).

-[425DXN # 1691 September 30, 2023] (1027-1201)

**FG, GUADELOUPE.** Vaclav, OK6RA will be active holiday style as **FG/OK6RA** from Guadeloupe (NA-102) on **November 8th-27th**. He will operate CW, SSB and FT8 on 40-10 meters (maybe also on 6m), with main activity during the CQ WW DX CW Contest (November 25th-26th, SOSB 15m). QSL via [OK6RA](#).

-[425DXN # 1696 November 4, 2023] (1103-1201)

**FG, GUADELOUPE.** Once again Philippe, F1DUZ will be active as **FG4KH** from Guadeloupe (NA-102) from **October 17th to November 7th**, including participation in the CQ WW DX SSB Contest. QSL via LoTW, eQSL, or via [F1DUZ](#).

-[425DXN # 1692 October 7, 2023] (1013-1109)

**FJ, SAINT BARTHELEMY.** Phil, K2LIO is QRV as **FJ4WEB** until **December 31st**. Activity is holiday style on 40 to 10 meters. QSL to [K2LIO](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1208)

**FO/M, MARQUESAS ISLAND.** Didier, F6BCW and other nine operators (namely F1MNQ, F4ISZ, F5JRX, F5LRL, F5VHQ, F6EEQ, F6FMC, F6HBI and F8GGV) will be active as **TX7L** from Hiva Oa, Marquesas Islands (OC-027) on **November 4th-19th**. They plan to operate CW, SSB, FT8, FT4 and RTTY on 160-6 meters with four stations. QSL exclusively via [ClubLog's OQRS](#); the full log will be uploaded to LoTW six months after the operation. See <https://marquises2023.f6kjs.fr/> for more information, as well as <https://www.facebook.com/TX7L-109202902174568/> for updates.

-[425DXN # 1671 May 13, 2023] (1103-1124)

**H4Ø, TEMOTU.** Jun, JH4RHF is QRV as **H4ØRH** from Pigeon Island (OC-065), **until November 9th**. Activity is on the HF bands using mainly CW, with FT8 on 6 meters depending on conditions. QSL via [OE1JUN](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1110)

**HB9, SWITZERLAND.** Special callsign **HB8DELOY** is the for members of the Swiss Air Force Museum's Radio Club (HB4FR) to commemorate the 100th anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923). Look for activity from **November 1st to December 31st**. QSL via [HB9ACA](#) (bureau preferred).

-[425DXN # 1696 November 4, 2023] (1103-1208)

**HK, COLOMBIA.** Lothar, DK8LRF is active again as **HK3JCL** since September 10th. QSL via [DK8LRF](#).

-[DXNL # 2377 October 25, 2023] (1027-1117)

**LU, ARGENTINA.** Hoc, **LU5BE/p**, and Enri, **LU8EFF/p**, activate the rare locator FF59kt (Rodeo in San Juan province) from **November 1st to 5th** on 40-6m (SSB, CW, FT8). For QSL information see qrz.com.

-[DXNL # 2378 November 1, 2023] (1103-1110)

**LU, ARGENTINA.** Members of the Radio Club QRM Belgrano will be active with the callsign **LU4AAO** from **November 4th to 12th**, marking their 2023 Tradition Day. QSL direct. An award is also available: [http://lu4aao.org/cert\\_dia\\_tradicion\\_2023.htm](http://lu4aao.org/cert_dia_tradicion_2023.htm)

-[DXNL # 2378 November 1, 2023] (1103-1117)

**ON, BELGIUM.** The ONZ Oostkust Radioclub (ON6HC) will be active on all bands and modes as **OR79CLM** from **October 13th until November 12th**, with main operations taking place on November 3rd-5th. The special callsign's suffix stands for Canadian Liberation March, the annual event that celebrates the liberation of the Belgian town of Knokke on November 1, 1944. QSL via the bureau. A certificate will be available: <https://www.onz.be/or79clm-award-request/>.

-[425DXN # 1691 September 30, 2023] (1013-1110)

**PA, NETHERLANDS.** Dutch members of the European DX Foundation will operate special callsigns **PA37EUDXF**, **PB37EUDXF**, **PC37EUDXF**, **PD37EUDXF**, **PE37EUDXF**, **PF37EUDXF**, **PG37EUDXF**, **PH37EUDXF** and **PI37EUDXF** from **November 1st to 30th** to celebrate the EUDXF's 37th anniversary. QSL PH37EUDXF via [PA2TMS](#); QSL other callsigns via LoTW, [ClubLog's OQRS](#) (preferred), or via [PA1AW](#).

-[425DXN # 1693 October 14, 2023] (1027-1201)

**PJ7, SINT MAARTEN.** After the CQ WW DX SSB Contest, Ed, N2HX will move from St. Kitts to Sint Maarten (NA-105). He will be QRV as **PJ7PL**, including entries in the CQ WW DX CW Contest (November 25th-26th) and the ARRL 10- Meter Contest (December 9th-10th). QSL via [N2HX](#).

-[425DXN # 1694 October 21, 2023] (1103-1215)

**PY, BRAZIL.** Special callsign **ZZ2RB** is the for the Liga de Amadores Brasileiros de Radio Emissao (LABRE) to celebrate Brazilian Radioamateur Day on **November 4th-11th**. QSL via LoTW. A certificate will be available, see [ZZ2RB](#) for information. The Dia do Radioamador Brasileiro marks the anniversary of the entry into force of the first Brazilian Amateur Radio regulations (November 5, 1924).

-[425DXN # 1696 November 4, 2023] (1103-1110)

**SP, POLAND.** The Bydgoszcz Amateur Radio Club (SP2PBY) will be active as **SN3BUW**, **SN3IW**, **SN6ESH** and **SN6IU** on **November 6th-19th** to honor the memory of Henryk Kruszynski SP2BUW (1957-2020), Ryszard Czerwinski SP2IW (1932-2018), Boleslaw Krzymin SP2ESH (1936-2016) and Zbigniew Gorgolewski SP2IU (1933-2017). QSLs via



**SP2PBY.** A certificate will be available: <http://www.sp2pby.pl/>.

-[425DXN # 1696 November 4, 2023] (1103-1124)

**TJ, CAMEROON.** The next DXpedition organized by the Mediterraneo DX Club will see a large multi-national team (IK5BOH, IU3PMA, IZ2GNQ, IZ4COW, IZ4UEZ, IZ8CCW, AG4W, DL8JJ, F6IRA, HB9DHG, HB9TOC, OK2WX, ON7RN) active as **TJ9MD** from Kribi, Cameroon on **November 2nd-15th**. Plans are to have at least four stations active 24/7 on 160-6 meters CW, SSB, RTTY and FT8. There will also be a station for EME. More information is expected in due course.

-[425DXN # 1687 September 2, 2023] (1027-1117)

**V4, SAINT KITTS & NEVIS.** Ed, N2HX is QRV as **V4/N2HX** from Saint Kitts, IOTA NA-104, **until November 11th**. Activity is on the HF bands. He will be active as **V49R** as a Single Op/Low Power entry in the upcoming CQ WW SSB DX Contest (October 28th-29th). QSL to [N2HX](#).

-[ARRL DX Bulletin # 42 October 19, 2023] (1020-1110)

**V6, MICRONESIA.** Cezar, VE3LYC will be active as **V62P** from Pulap Atoll (OC-155) from **October 25th to November 2nd**, and as **V62S** from Satawal Atoll (OC-299) on **November 4th-10th**. Johan, PA3EXX will be the pilot station: Cezar will be unable to check his personal email account, so "those who wish to make a report or inform me of various issues" should send their messages to [willemsen@multiweb.nl](mailto:willemsen@multiweb.nl). Donations to help offset the costs of this complex and expensive project are gratefully accepted:

<https://v6iota.weebly.com>

-[425DXN # 1687 September 2, 2023] (1020-1110)

**VE, CANADA.** Pierre, VK3KTB and Alexey VE1RUS will be active again as **VYØERC** from the Eureka Amateur Radio Club station on Ellesmere Island (NA- 008) from **October 21st to November 22nd**. QSL via [MØOXO's OQRS](#).

-[425DXN # 1694 October 21, 2023] (1020-1124)

**VK, AUSTRALIA.** Tom, VK2WN (SP7WT) will be active as **AX37EUDXF** from **October 15th until November 30th** to celebrate the 37th anniversary of the European DX Foundation. QSL via LoTW, eQSL, [ClubLog's OQRS](#). He does not use the bureau.

-[425DXN # 1694 October 21, 2023] (1020-1124)

**VK9C, COCOS-KEELING.** A group of operators are QRV as **VK9QO** **until November 7th**. Activity is on 80 to 6 meters using CW, SSB, RTTY, FT8, and FT4. They plan to also be active on Satellites QO-100, IO-117, and RS-44. QSL Satellite QSOs via [JA3GEP](#), and all others via [J11LET](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1110)

**VP5, TURKS & CAICOS ISLANDS.** Operators [N5VOF](#), [WD5JR](#) and [KJ5CMP](#) are QRV as **VP5/homecalls** from Providenciales (NA-002), **until November 10th**. Activity is on 40 to 6 meters using mainly SSB. This includes some POTA activations. QSL direct to home calls.

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1110)

**YJ, VANUATU.** Chris, VK2YUS will be active again as **YJØCA** from Port Vila (OC-035) Vanuatu from **October 22nd to November 5th**, including an entry in the CQ WW DX SSB Contest (October 28th-29th). He will operate SSB on 40-10 meters, mainly between 2100 UTC and 1000 UTC. QSL direct to [VK2YUS](#).

-[425DXN # 1691 September 30, 2023] (1020-1110)

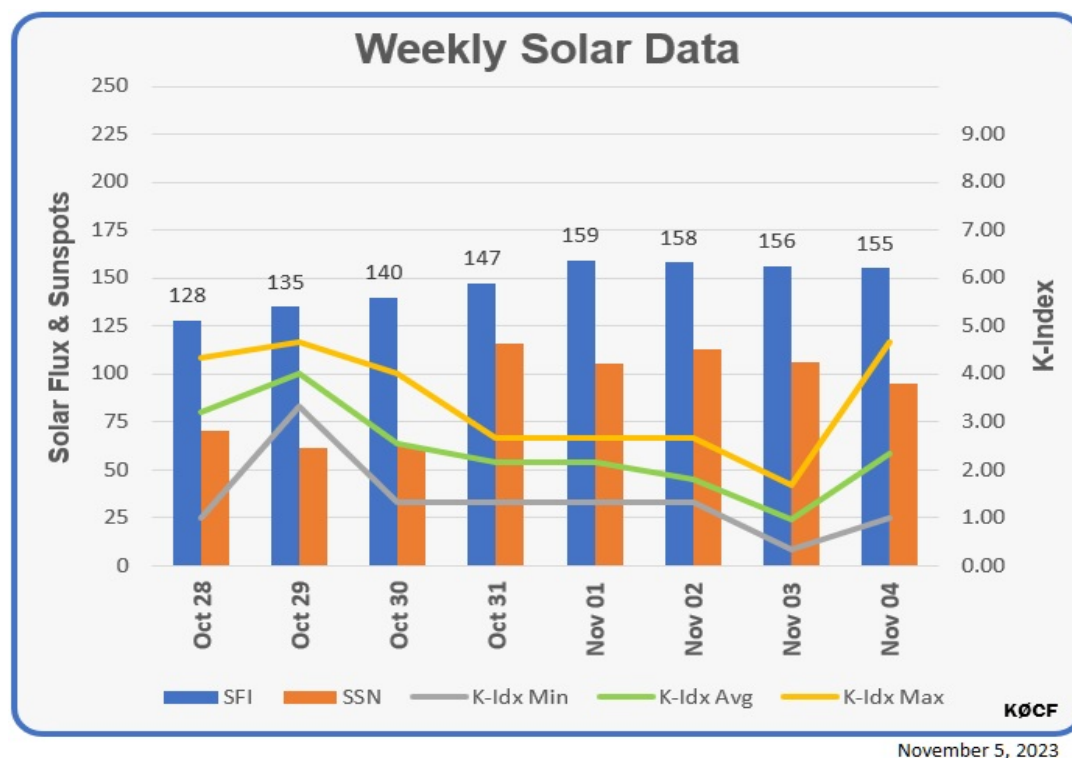
**YU, SERBIA.** The Amateur Radio Union of Serbia (YU1SRS) will host the 26th IARU Region 1 General Conference, to be held at Zlatibor on November 1st-4th. A special callsign has been issued, **YT26IARU**, which may be operated **until December 31st** by the

hosting society as well as by the conference amateur radio station. QSL via LoTW.  
-[425DXN # 1672 May 20, 2023] (1027-1124)

**ZL7, CHATHAM ISLANDS.** JA1SVP, JE1SYN and JF1OCQ will be active as **ZL7A** from the Chatham Islands (OC-038) on **November 9th-22nd**. They will operate SSB, CW, FT8 and FT4 on 160-6m with three stations. QSL via LoTW (preferred), [ClubLog's OQRS](#), eQSL, or direct to [JF1OCQ](#).

-[425DXN # 1695 October 28, 2023] (1103-1124)

## Propagation (Updated daily)



November 5, 2023

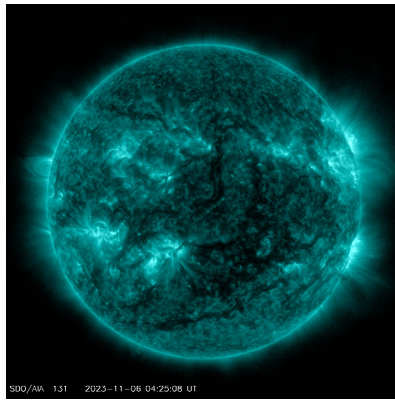
The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (K-Idx) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



## Propagation Summary

For the 8 day period from Saturday, October 28th through yesterday, November 4th.

The average solar flux was up 26 points from the previous week, with a weekly high of 159 on Wednesday, November 1st, following a low of 128 on October 28th.

The average sunspot count was up 47 for the week, peaking at 116 on Tuesday, October 31st after a weekly low of 61 on October 29th.

The Planetary K-index weekly average was 3.4 with a maximum of 4.7 on Saturday, November 4th, resulting in generally quiet geomagnetic conditions.

Solar flare activity since October 28th has been moderate with 5 major flares, the largest of which was an M 1.8 event on Sunday, November 5th.

## Propagation Data

Major solar flares, Saturday, October 28th through 1201 UTC, November 5th.

#	Date	UTC	Mag.
1	Nov 05	1143	M 1.8
2	Nov 02	1921	M 1.0
3	Nov 02	1222	M 1.6
4	Nov 01	1226	M 1.4
5	Nov 01	0626	M 1.1

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Nov 5	25%	5%	155
Nov 6	25%	5%	155
Nov 7	25%	5%	150

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA only once a week, on Monday.

Date	Flux	Kp

Nov 5	136	2
Nov 6	140	2
Nov 7	138	2
Nov 8	136	2

Nov 9	136	4
Nov 10	138	3
Nov 11	136	2
Nov 12	134	2

Nov 13	130	2
Nov 14	130	3
Nov 15	130	3
Nov 16	125	2

## Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.

## Favorite Propagation web sites

Excellent Maximum Usable Frequency map: <https://prop.kc2g.com/>

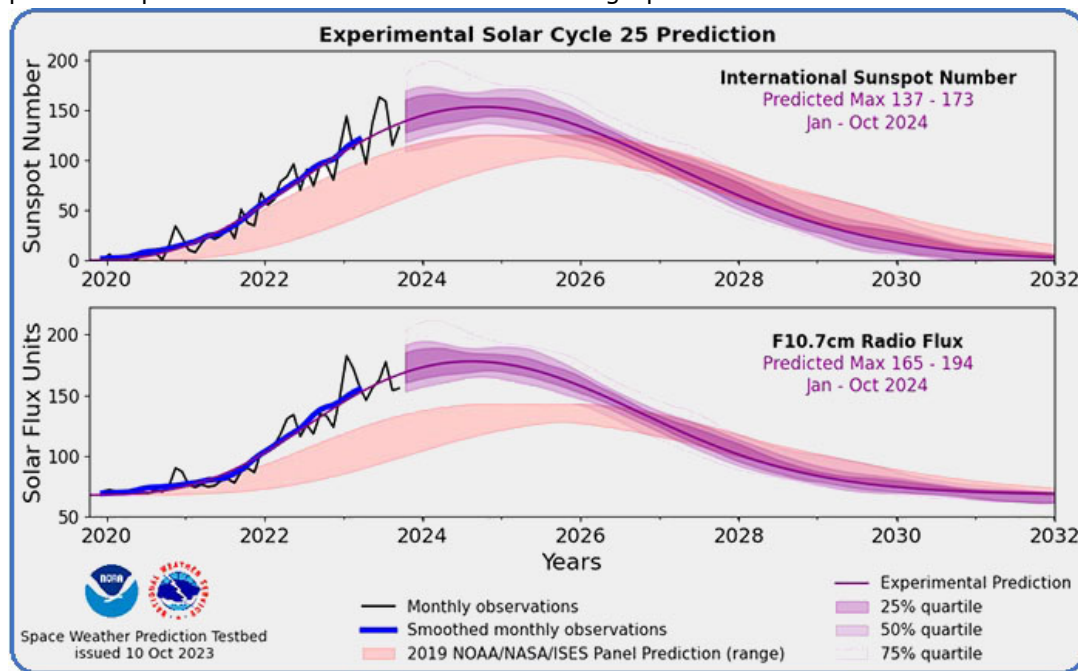
<https://www.spaceweather.com/>

<https://www.solarham.net/>

<https://dx.qsl.net/propagation/>

## NOAA's Cycle 25 Forecast Revised

A revised forecast for Solar Cycle 25 has been released. It shows an earlier, more intense peak than previous forecasts. Here is their new graph:



The pink-colored area is the original prediction; the magenta area is the new, updated prediction. Solar Cycle 25 should peak between January and October 2024, but higher numbers will persist well into 2025, 2026 and beyond. (Click on the graph above to see the complete story on NOAA's web site.)

## A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters.

However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio



transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

## Selected Upcoming Contests

Contest	Start		End		Web Site
Ukrainian DX Contest	Nov 4	1200Z	Nov 5	1200Z	<a href="#">Rules</a>
ARRL Sweepstakes Contest, CW	Nov 4	2100Z	Nov 6	0300Z	<a href="#">Rules</a>
WAE DX Contest, RTTY	Nov 11	0000Z	Nov 12	2359Z	<a href="#">Rules</a>
10-10 Int. Fall Contest, Digital	Nov 11	0001Z	Nov 12	2359Z	<a href="#">Rules</a>
JIDX Phone Contest	Nov 11	0700Z	Nov 12	1300Z	<a href="#">Rules</a>
OK/OM DX Contest, CW	Nov 11	1200Z	Nov 12	1200Z	<a href="#">Rules</a>
North American SSB Sprint Contest	Nov 12	0000Z	Nov 12	0400Z	<a href="#">Rules</a>
LZ DX Contest	Nov 18	1200Z	Nov 19	1200Z	<a href="#">Rules</a>
ARRL Sweepstakes Contest, SSB	Nov 18	2100Z	Nov 20	0300Z	<a href="#">Rules</a>
CQ Worldwide DX Contest, CW	Nov 25	0000Z	Nov 26	2400Z	<a href="#">Rules</a>
ARRL 160-Meter Contest	Dec 1	2200Z	Dec 3	1600Z	<a href="#">Rules</a>
ARRL 10-Meter Contest	Dec 9	0000Z	Dec 10	2359Z	<a href="#">Rules</a>
OK DX RTTY Contest	Dec 16	0000Z	Dec 16	2400Z	<a href="#">Rules</a>
Croatian CW Contest	Dec 16	1400Z	Dec 17	1400Z	<a href="#">Rules</a>
ARRL Rookie Roundup, CW	Dec 17	1800Z	Dec 17	2359Z	<a href="#">Rules</a>
RAC Winter Contest	Dec 30	0000Z	Dec 30	2359Z	<a href="#">Rules</a>
Stew Perry Topband Challenge	Dec 30	1500Z	Dec 31	1500Z	<a href="#">Rules</a>
ARRL RTTY Roundup	Jan 6	1800Z	Jan 7	2400Z	<a href="#">Rules</a>
ARRL Kids Day	Jan 6	1800Z	Jan 6	2359Z	<a href="#">Rules</a>
YB DX Contest	Jan 13	0000Z	Jan 13	2359Z	<a href="#">Rules</a>
North American QSO Party, CW	Jan 13	1800Z	Jan 14	0600Z	<a href="#">Rules</a>
Hungarian DX Contest	Jan 20	1200Z	Jan 21	1200Z	<a href="#">Rules</a>
North American QSO Party, SSB	Jan 20	1800Z	Jan 21	0600Z	<a href="#">Rules</a>

ARRL January VHF Contest	Jan 20	1900Z	Jan 22	0359Z	<a href="#">Rules</a>
CQ 160-Meter Contest, CW	Jan 26	2200Z	Jan 28	2159Z	<a href="#">Rules</a>
BARTG RTTY Sprint	Jan 27	1200Z	Jan 28	1200Z	<a href="#">Rules</a>
Winter Field Day	Jan 27	1700Z	Jan 28	1700Z	<a href="#">Rules</a>

-[Contest data courtesy of the [WA7BNM Contest Calendar](#) ]

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